



University of Bahrain

CE -- CIT -- UOB

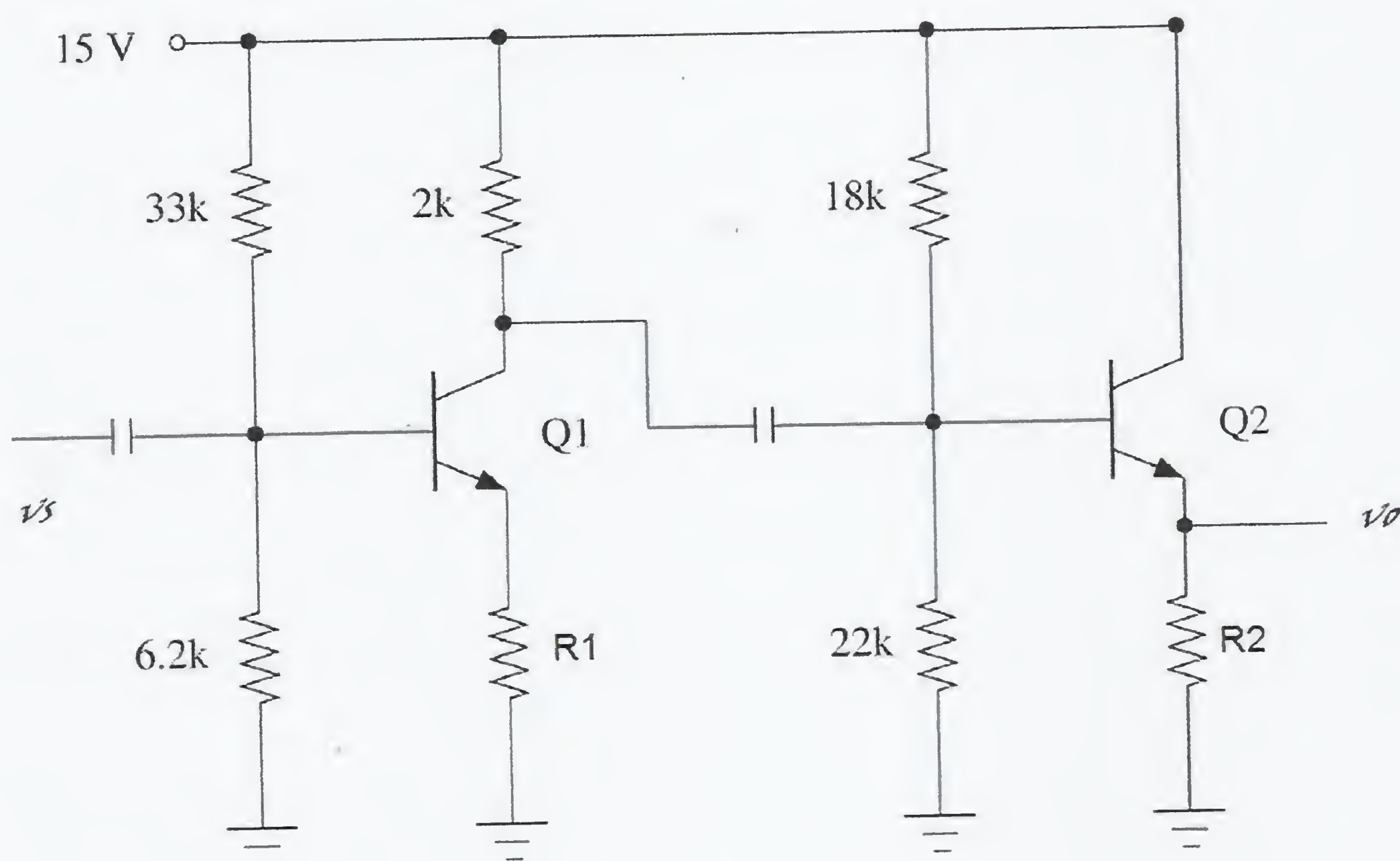
TEST 2 (10 August 2015) ITCE263/EEG261: Electronics 1

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Q1. [50 marks]

In the following amplifier:

- Find R_1 and R_2 for $V_{CE1} = V_{CE2} = 7$ volt
- Draw equivalent circuit
- Find voltage gain
- Find R_{in}
- Find R_{out}



Q2. [30 marks]

Draw a common base amplifier and its equivalent circuit then derive its voltage gain

Q3. [20 marks]

List a table showing the main differences between common base CB, common emitter CE and common collector CC amplifiers.